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|         |                         |         |            | Application Number     | 10/749120-Conf. #3284       |  |
| INF     | ORMATION                | N DI    | SCLOSURE   | Filing Date            | December 30, 2003           |  |
| ST      | ATEMENT B               | 3Y /    | APPLICANT  | First Named Inventor   | Richard L. BOYD             |  |
|         |                         |         |            | Art Unit               | 1644                        |  |
|         | (Use as many she        | eets as | necessary) | Examiner Name          | David A. Saunders, Ph.D.    |  |
| heet    | 1                       | of      | 2          | Attorney Docket Number | 0286336.00154US1/NOR-015CP2 |  |

Sheet

|           |      |   | U.S. PA         | TENT DOCUMENTS              |                     |   |
|-----------|------|---|-----------------|-----------------------------|---------------------|---|
| Examiner  | Cite | Cite                                      | Document Number | Publication Date            | Name of Patentee or | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant |
| Initials* | No.1 | Number-Kind Code <sup>2</sup> ( if known) | MM-DD-YYYY      | Applicant of Cited Document | Figures Appear      |   |
|           | AA*  | 4,008,209                                 | 2/15/1977       | Fujino                      |                     |   |
|           | AB*  | 3,972,859                                 | 8/3/1976        | Fujino                      |                     |   |
|           | AC*  | 5,712,251                                 | 1/27/1998       | Labrie                      |                     |   |
|           | AD*  | 5,688,769                                 | 11/18/1997      | Labrie                      |                     |   |
|           | AE*  | 5,389,613                                 | 2/14/1995       | Labrie                      |                     |   |
|           | AF*  | 5,189,021                                 | 2/23/1993       | Labrie                      |                     |   |
|           | AG*  | 4,981,842                                 | 1/1/1991        | Labrie                      |                     |   |
|           | AH*  | 4,851,386                                 | 7/25/1989       | Labrie                      |                     |   |
|           | Al*  | 4,745,102                                 | 5/17/1988       | Labrie                      |                     |   |
|           | AJ*  | 4,743,589                                 | 5/10/1988       | Labrie                      |                     |   |
|           | AK*  | 4,728,640                                 | 3/1/1988        | Labrie                      |                     |   |
|           | AL*  | 4,472,382                                 | 9/18/1984       | Labrie                      |                     |   |

| FOREIGN PATENT DOCUMENTS |              |   |                                   |  |   |  |  |  |
|--------------------------|--------------|---|-----------------------------------|--|---|--|--|--|
| Examiner<br>Initials*    | Cite<br>No.¹ | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>if known</i> ) | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear |  |  |  |
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|                      | NON PATENT LITERATURE DOCUMENTS |   |    |  |  |  |  |
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| Examiner<br>Initials | Cite<br>No.1                    | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |  |  |  |  |
|                      | A1                              | Fitzpatrick et al., Effects of Various Steroids on the Thymus, Spleen, Ventral Prostate and Seminal Vesicles in Old Orchidectomized Rats (1987) J. Endocr., 113, 51-55  |    |  |  |  |  |
|                      | A2                              | Greenstein et al., Regeneration of the Thymus in Old Male Rats Treated With a Stable Analogue of LHRH (1987) J. Endocr., 112, 345-350   |    |  |  |  |  |
|                      | А3                              | Greenstein et al., Reappearance of the Thymus in Old Rats After Orchidectomy: Inhibition of Regeneration by Testosterone (1986) J. Endocr., 110, 417-422  |    |  |  |  |  |
|                      | A4                              | Grossman, Charles J. Interactions Between the Gonadal Steroids and the Immune System (1985)<br>Science, 227: 256-261  |    |  |  |  |  |
|                      | A5                              | Hirokawa, K., Utsuyama M., Kasai, M., Kurashima, C., Ishijima, S. and Zeng, YX., Understanding the Mechanism of the Age-Change of Thymic Function to Promote T Cell Differentiation (1994) <i>Immunology Letters</i> , 40:269-277                               |    |  |  |  |  |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

| Examiner Signature /David Saunders/ | Date<br>Considered | 02/13/2008 |
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|-------|-----------------------------|----------|------------|------------------------|-----------------------------|--|
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| II.   | <b>NFORMATIO</b>            | N DI     | SCLOSURE   | Filing Date            | December 30, 2003           |  |
| S     | TATEMENT                    | BY /     | APPLICANT  | First Named Inventor   | Richard L. BOYD             |  |
|       |                             |          |            | Art Unit               | 1644                        |  |
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| Sheet | 2                           | of       | 2          | Attorney Docket Number | 0286336.00154US1/NOR-015CP2 |  |

| U.S. PATENT DOCUMENTS |      |   |                  |                             |   |  |  |
|-----------------------|------|---|------------------|-----------------------------|---|--|--|
| Examiner              | Cite | Document Number                           | Publication Date | Name of Patentee or         | Pages, Columns, Lines, Where                    |  |  |
| Initials*             | No.1 | Number-Kind Code <sup>2</sup> ( if known) |                  | Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |  |  |
|                       | AM   | 11/408,107                                |                  |                             |   |  |  |
|                       | AN   | 11/445,742                                |                  |                             |   |  |  |
|                       | AO   | 10/553,594                                |                  |                             |   |  |  |
|                       | AP   | 10/553,608                                |                  |                             |   |  |  |
|                       | AQ   | 11/805,791                                |                  |                             |   |  |  |

| FOREIGN PATENT DOCUMENTS |                          |  |                                   |  |   |    |  |  |
|--------------------------|--------------------------|--|-----------------------------------|--|---|----|--|--|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known) | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | ۳٥ |  |  |
|                          |                          |  |                                   |  |   |    |  |  |

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|                      | A6                              | Jansson et al., Estrogen Induces a Potent Suppression of Experimental Autoimmune Encephalomyelitis and Collagen-Induced Arthritis in Mice (1994) J. Neuroimmunology, 53:203-207  |    |  |  |  |  |
|                      | A7                              | Morale et al., Blockade of Central and Peripheral Luteinizing Hormone-Releasing Hormone (LHRH) Receptors in Neonatal Rats With a Potent LHRH-Antagonist Inhibits the Morphofunctional Development of the Thymus and Maturation of the Cell-Mediated and Humoral Immune Responses (1991) Endocrinology, 128(2): 1073-1085 |    |  |  |  |  |
|                      | A8                              | Rao et al., Effects of GnRH Antagonist on Lymphocyte Subpopulations in Primary and Secondary Lymphoid Tissues of Female Mice (1994) Am. J. Reproductive Immunology, 32:238-247   | ı  |  |  |  |  |
|                      | A9                              | Rosenzweig et al., Intracellular Immunization of Rhesus CD34 <sup>+</sup> Hematopoietic Progenitor Cells With a Hairpin Ribozyme Protects T Cells and Macrophages From Simian Immunodeficiency bVirus Infection (1997) Blood, 90(12): 4822-4831  |    |  |  |  |  |
|                      | A10                             | Sato et al., A Phase I Trial of Cytotoxic T-Lymphocyte Precursor-Oriented Peptide Vaccines for Colorectal Carcinoma Patients (2004) Br. J. Cancer 90:1334-1342   |    |  |  |  |  |
|                      | A11                             | Vickery et al., (1984) LHRH AND ITS ANALOGS: CONTRACEPTIVE & THERAPEUTIC APPLICATIONS (Vickery et al., eds.) MTP Press Ltd., Lancaster, PA TABLE CONTENTS ONLY   |    |  |  |  |  |

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